

352854082380503 Local number BU-073, NCDENR Bent Creek Research Station MW-2D near Bent Creek, NC (Bedrock)

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

Buncombe County, NC

LOCATION.--Lat 35°28'54", long 82°38'06" referenced to North American Datum of 1983, Buncombe County, NC, Hydrologic Unit 06010105, 1.2 mi north of Blue Ridge Parkway, 3.2 mi west of Bent Creek in Bent Creek Research Forest. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 300 ft, diameter 6 in., cased to 53 ft, open hole from 53 ft to 300 ft.

DATUM.--Land-surface datum is 2,190.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 2-inch steel extension pipe, 9.55 ft above land-surface datum, July 29, 2004, to present.

PERIOD OF RECORD.--February 2003 to current year. Continuous record August 2004 to December 2005.

GAGE.--Measured periodically with electric and steel tape.

REMARKS.--Well is part of Piedmont/Mountains groundwater project. February 4, 2003 to August 2, 2004 site was flowing and water level could not be measured.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.93 ft above land-surface datum, May 11, 2007; lowest water level recorded, 6.91 ft above land-surface datum, August 20, 2004.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
(READINGS ABOVE LAND SURFACE INDICATED BY "+")**

| Date | Water level | Date | Water level |
|--------------|-------------|-------------|-------------|
| Jan 23, 2008 | +7.20 | Jul 2, 2008 | +7.39 |
| Mar 17 | +7.47 | Aug 14 | +7.26 |
| Apr 25 | +7.55 | Sep 29 | +7.41 |
| May 16 | +7.67 | | |

Highest: +7.67 May 16, 2008

Lowest: +7.20 Jan 23, 2008

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